Examiner-Initiated Interview Summary	**Application No.**	**Applicant(s)**	
	10/611,897	QIAN ET AL.	
	Examiner	**Art Unit**	
	MANAV SETH	2624	

All Participants: **Status of Application:** _Allowed_

   (1) _MANAV SETH_.   (3) _____.

   (2) _Art Brion_.   (4) _____.

Date of Interview: _9 February 2009_   **Time:** _____

Type of Interview:
☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant   ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No
  If Yes, provide a brief description: _____.

Part I.

Rejection(s) discussed:

Claims discussed:
_30_

Prior art documents discussed:

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
See Continuation Sheet

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview
directly resulted in the allowance of the application. The examiner will provide a written summary of the substance
of the interview in the Notice of Allowability.
☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview
did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed:
Authorization for this examiner's amendment was given in a telephone interview with applicant's attorney/agent of
record, Mr. Art Brion, Registration No. 51,374, on 02/09/2009, Examiner's amendment:

In The Claims
(a).   The following changes to the claims have been approved by the examiner and agreed upon by applicant:

(i) Replace the subject matter of claim 30 as presented in the amendment filed on 01/16/2009 with:
Examiner's amendment: "A computer readable storage medium having stored thereon at least an executable
command for when executed on a computer resulting in performance of the steps of :
a) receiving the multi-dimensional data, the multi-dimensional data comprising a plurality of data vectors indicative of
an image of an object;
b) separating the plurality of data vectors into at least two clusters based on similarity of the data vectors such that
similar data vectors are grouped together into at least one of said at least two clusters;
c) providing each of the at least two clusters to at least a compression engine for processing;
d) determining a plurality of codevectors through training for approximating each of the data vectors of a cluster of the
at least two clusters with a fidelity above a predetermined threshold based on the data vectors contained in the cluster;
e) encoding each of the data vectors of a cluster using a codevector of the plurality of trained codevectors;
f) storing the plurality of trained codevectors in a codebook; and,
g) storing in an index map an index for each of the data vectors of a cluster indicative of a codevector's location within
the codebook,
wherein the data vectors are partitioned into the at least two clusters based on the distance of a data vector to the
centriod of each of the at least two clusters, and
wherein said data vectors are spectral data vectors having multi-spectral data, and
wherein said separation of said data vectors into clusters reduces artificial visual boundaries in a decompressed
version of said image".